FIGURES:

Figure 1

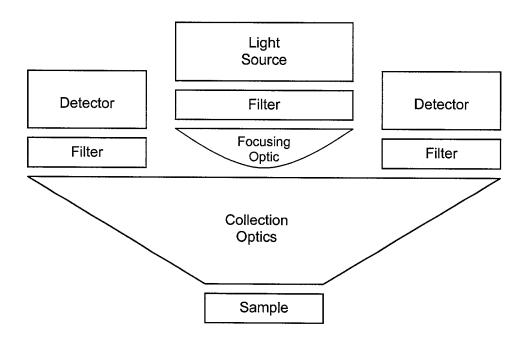


Figure 2

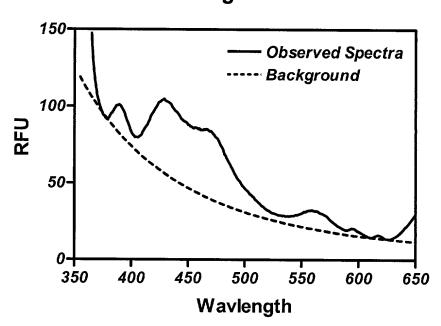
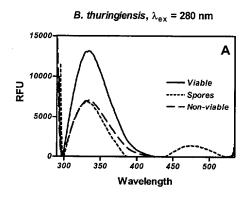
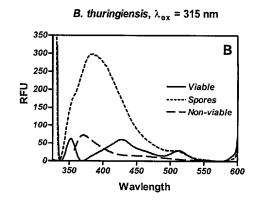
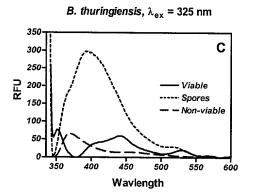
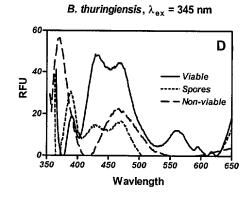


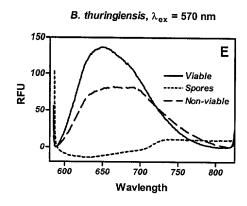
Figure 3











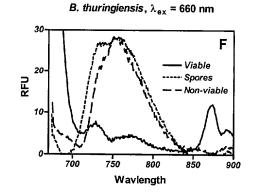
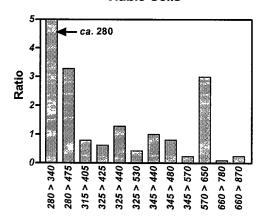
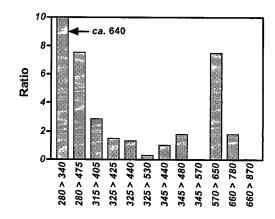


Figure 4

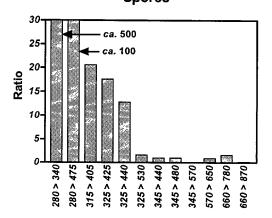
Viable Cells

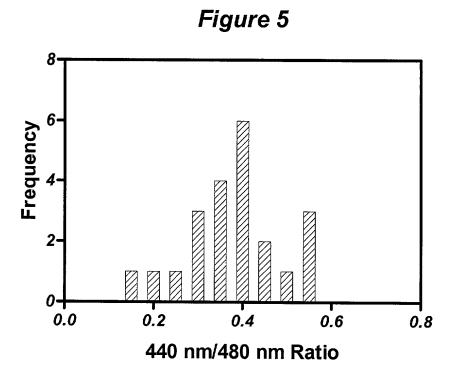


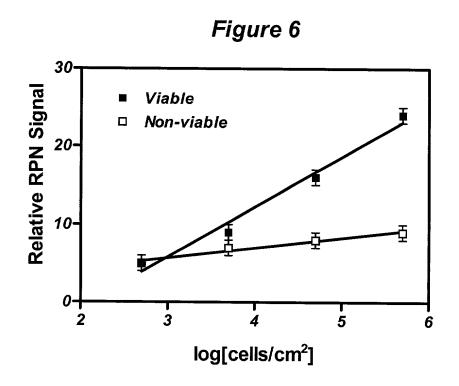
Non-viable Cells

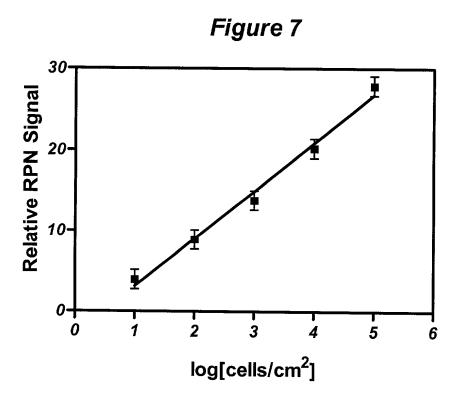


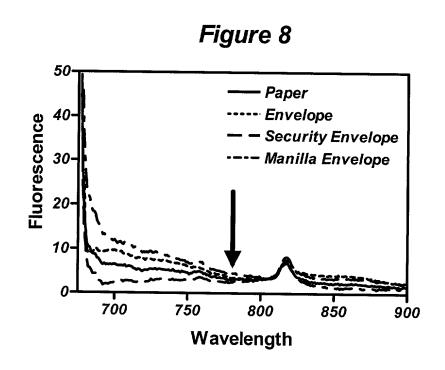
Spores

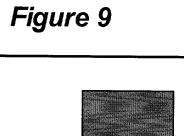


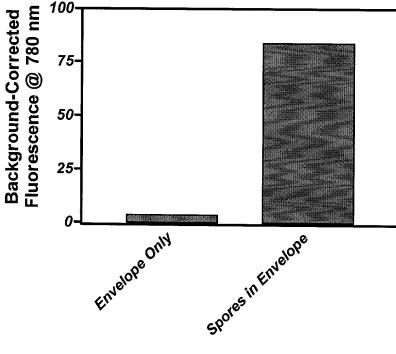












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